



**Tennessee Department of Environment and Conservation**  
**Bureau of Environment**  
**TDEC Environmental Consultant 4**  
**Annual Salary Range: \$62,664 - \$100,248**

**About the Tennessee Department of Environment and Conservation (TDEC)**

The Department exists to enhance the quality of life for citizens of Tennessee and to be stewards of our natural environment by:

- Protecting and promoting human health and safety;
- Protecting and improving the quality of Tennessee's land, air, and water;
- Conserving and promoting natural, cultural and historic resources; and
- Providing a variety of quality outdoor recreational experiences.

TDEC has approximately 2,900 employees working across Tennessee supported by a total budget of more than \$400 million with funding from fees for services, state parks revenue, federal sources, and the state general fund. TDEC is the chief environmental and natural resource regulatory agency in Tennessee with delegated authority from the U.S. Environmental Protection Agency to regulate sources of air pollution, solid and hazardous waste, underground storage tanks, water pollution, water supply, and groundwater pollution. TDEC has a central office in Nashville and eight (8) regional offices across the state serving as the primary point of contact for their respective regions.

**About the Bureaus of Environment**

The Bureau of Environment (BOE) is composed of six environmental divisions, (Air Pollution Control, Radiological Health, Remediation, Solid Waste Management, Underground Storage Tanks, and Water Resources) and three environmental programs (the Fleming Training Center, the TN Geologic Survey, and the West Tennessee Regional Basin Authority). The BOE oversees the investigation and remediation of properties where coal combustion residuals (CCR) materials from electric power generators were disposed. The CCR Team is comprised of staff members from the Division of TN Geologic Survey, Remediation, Solid Waste Management, and Water Resources programs. The CCR Team is responsible for overseeing the investigation and remediation of disposed CCR materials at eight locations across Tennessee.

**Summary of Position**

This Executive Service position is located in TDEC's Central Office in Nashville, TN. This position serves as a member of the BOE Coal Combustion Residuals (CCR) Team. The successful applicant reports to the BOE Assistant Commissioner of Environment and works directly with the BOE CCR Team Technical Manager and CCR Team members to investigate CCR sites and evaluate CCR corrective action proposals.

### **Principal Duties and Responsibilities**

- Review historic information at CCR sites including chemical data, groundwater flow data, and geologic and geophysical data.
- Review environmental investigation plans & assessment reports, and remedial actions plans for CCR disposal sites and including CCR migration into soil, ground water, and surface water.
- Evaluates methods proposed for removal of CCR contamination from soil, ground water, and surface water. Review data for soil and solid shear strength at various levels of moisture content. Provide data interpretation and assessment report.
- Evaluates the potential for structural failure of landfills and other CCR disposal sites, due to the characteristics of the subsurface environment, moisture content of disposed material, level of compaction and height of the disposed material.
- Reviews proposed scheduled activities at multiple CCR sites and develops Gantt charts for environmental investigation and remediation activities at each site. Anticipates and adjusts work schedules when unforeseen problems and roadblocks occur. Measure performance against goals and evaluates results.
- Prepares proposals for continued investigation/characterization of CCR sites and provides oversight for site investigation related activities.
- Make presentations and oversee discussion of technical information.

### **Knowledge, Skills and Abilities**

- Experience in the design and operation of environmental contaminant treatment systems.
- Knowledge of hydrogeology with specific expertise in karst and laminar flow systems and confined/unconfined aquifers.
- Significant experience with contaminant data interpretation, distribution mapping, and various contaminant transport mechanisms.
- Understands the development of geologic maps and their interpretation.
- Working knowledge of the solid waste and water quality regulatory programs and the Federal CCR Rule.
- Possesses keen research and analytical skills that ensure tactical and strategic decision-making.
- Writes clearly and succinctly for a diverse audience to ensure environmental information understood.
- Provides excellent customer service to internal and external customers and establishes and maintains relationships with customers.
- Demonstrates high integrity and good judgment.

### **Education and Experience**

Applicants are required to have at a minimum a bachelor's degree in the natural sciences (geology, geoscience, environmental science, earth science, or chemistry) or a bachelor's degree in engineering (environmental, civil, chemical or mechanical). Applicants should have a minimum 7 years of experience in environmental site investigation and remediation and 7 years of experience as a project manager (oversight of contractors, staff members, and budget). Applicants should provide a description of their experience in ground water, surface water and soil investigation and remediation.

All interested candidates should submit via email to Beth Smith at [TDEC.Careers@tn.gov](mailto:TDEC.Careers@tn.gov), a resume, cover letter, and writing sample (Examples: project report or professional paper not to exceed 10 pages). Submit any additional questions to [TDEC.Careers@tn.gov](mailto:TDEC.Careers@tn.gov). Deadline for submitting an application is February 19, 2019.

Beth Smith, Director  
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TDEC is an AA/EEO/ADA equal opportunity employer.